

Written Examination Day 1 Harlan Safety Days

Team Name _____ Contestant Name _____
Team number _____

1. Oxygen is a supporter of _____.
 - A. ___ ignition
 - B. ___ explosion
 - C. ___ combustion

2. Once ventilation has been _____ and fresh air advanced, non-apparatus crews can take over the rehabilitation and cleanup effort.
 - A. ___ re-established
 - B. ___ established
 - C. ___ advanced

3. One hazard of heat during a fire is that it tends to weaken the roof, especially where _____ coal is left.
 - A. ___ head
 - B. ___ cap
 - C. ___ roof

4. The range of concentrations within which a gas will _____ are known as its "explosive range".
 - A. ___ explode
 - B. ___ ignite
 - C. ___ burn

5. To test for methane, use a _____ or chemical analysis.
 - A. ___ multi-gas detector
 - B. ___ methane detector
 - C. ___ gas detector

6. One and one-half to two percent methane _____ with coal dust in air may be explosive.
 - A. ___ combined
 - B. ___ together
 - C. ___ mixed

7. Nitrogen dioxide is produced by burning and by the _____ of explosives.
 - A. ___ exploding
 - B. ___ detonation
 - C. ___ use

8. After a fire or explosion in a mine, rescue teams are usually needed to go into the mine to _____ and re-establish ventilation.
- A. ___ explore
 - B. ___ assess
 - C. ___ check
9. Pools of water can release water soluble gases into the _____ when they are stirred up.
- A. ___ air
 - B. ___ mine
 - C. ___ atmosphere
10. A smoke tube is used to show the direction and velocity of slow moving _____.
- A. ___ air
 - B. ___ ventilation
 - C. ___ current

Written Examination Day 1 Harlan Safety Days Answer Key

1. C combustion
2. A re-established
3. A head
4. A explode
5. B methane detector
6. B together
7. B detonation
8. B assess
9. A air
10. A air